

AMENDMENTS TO THE FIGURES:

Submitted for the Examiner's approval is one replacement sheet including Figures 1A, 1B, 2A and 2B. In the drawings, changes are made to the drawing labels as requested by the Examiner, the legend prior art is added to Figures 1A and 1B, and typographical errors are corrected in Figures 2A and 2B. Also submitted is an annotated drawing sheet showing the changes made to Figures 1A, 1B, 2A and 2B.

Attachments: 1 "Replacement Sheet"
1 "Annotated Sheet"


REMARKS

In further response to the Notice of Non-Compliant Amendment (37 C.F.R. § 1.121) mailed on November 7, 2005, Applicants submit herewith one replacement drawing sheet ("Replacement Sheet") and one annotated drawing sheet ("Annotated Sheet"), both labeled as indicated in section 3(A) of the Notice Non-Compliant Amendment (37 C.F.R. § 1.121) and as required under 37 C.F.R. § 1.121(d). The Examiner is requested to approve these drawing changes. Applicants also request the Examiner to consider the amendments and remarks filed on October 31, 2005.

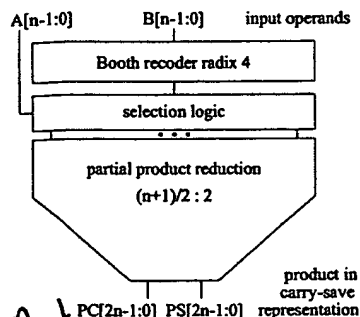
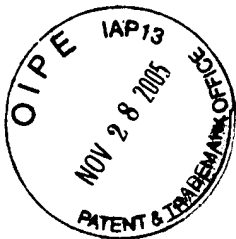
The Application is now believed to be in condition for allowance. Prompt notification of the same is earnestly sought.

Respectfully submitted,

Date: November 28, 2005

By: 
Raymond Van Dyke
Registration No. 34,746

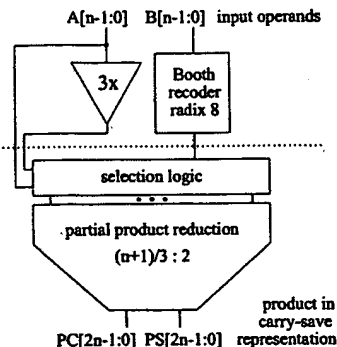
NIXON PEABODY, LLP
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Prior Art

Figure 1(a)

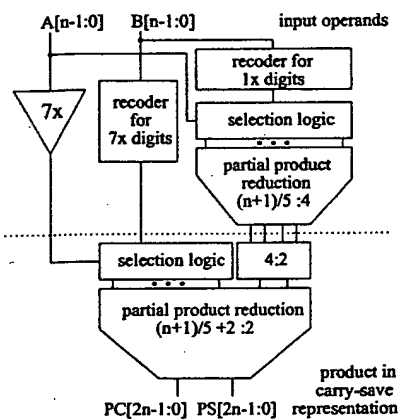
Block diagram of partial product generation for prior art Booth radix-4 multiplier



Prior Art

Figure 1(b)

Block diagram of partial product generation for prior art Booth radix-8 multiplier

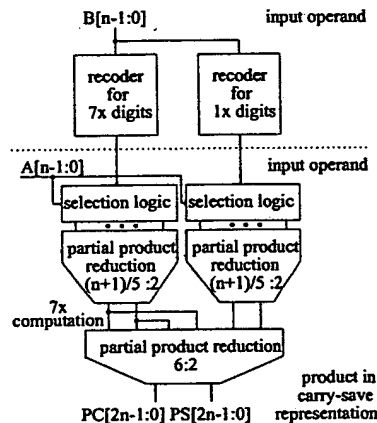


A

Figure 2(a)

Simplified block diagram of partial product generation for radix-32 recoding with precomputation of 7x multiplier

multiplicand



B

Figure 2(b)

Simplified block diagram of partial product generation for preferred embodiment radix-32 encoding with precomputation of 7x multiplier

postcomputation by